

AMENDMENTS TO THE CLAIMS

1.-25 (Cancelled).

26. (New) An isolated glycosylated peptide comprising a binding fragment of a CD4 receptor for human immunodeficiency virus (HIV) gp120 joined to Gal α (1,3) Gal β .

27. (New) The glycosylated peptide of Claim 26, wherein said peptide is less than 200 amino acids in length.

28. (New) The glycosylated peptide of Claim 26, wherein said peptide is less than 150 amino acids in length.

29. (New) The glycosylated peptide of Claim 26, wherein said peptide is less than 100 amino acids in length.

30. (New) The glycosylated peptide of Claim 26, wherein said peptide is less than 50 amino acids in length.

31. (New) The glycosylated peptide of Claim 26, wherein said peptide is less than 25 amino acids in length.

32. (New) The glycosylated peptide of Claim 26, wherein said peptide comprises the sequence of SEQ ID NO. 4.

33. (New) The glycosylated peptide of Claim 26, wherein said peptide comprises the sequence of SEQ ID NO. 5.

34. (New) The glycosylated peptide of Claim 26, wherein said peptide comprises the sequence of SEQ ID NO. 6.

35. (New) The glycosylated peptide of Claim 26, wherein said peptide comprises the sequence of SEQ ID NO. 7.

36. (New) The glycosylated peptide of Claim 26, wherein said peptide comprises the sequence of SEQ ID NO. 8.

37. (New) The glycosylated peptide of Claim 26, wherein said peptide comprises the sequence of SEQ ID NO. 9.

38. (New) A method of using the glycosylated peptide of Claim 26 to form a complex comprising an antibody present in a human, said glycosylated peptide, and an HIV protein comprising:

Appl. No. : **10/773,628**
Filed : **February 5, 2004**

providing the glycosylated peptide of Claim 26;
providing an HIV protein that binds said glycosylated peptide;
providing an anti-Gal α (1,3) Gal β antibody that is present in said human; and
contacting said glycosylated peptide, said HIV protein, and said anti-Gal α (1,3) Gal β antibody to form said complex.

39. (New) The method of Claim 38, wherein said glycosylated peptide comprises the sequence of SEQ ID NO. 4.

40. (New) The method of Claim 38, wherein said glycosylated peptide comprises the sequence of SEQ ID NO. 5.

41. (New) The method of Claim 38, wherein said glycosylated peptide comprises the sequence of SEQ ID NO. 6.

42. (New) The method of Claim 38, wherein said glycosylated peptide comprises the sequence of SEQ ID NO. 7.

43. (New) The method of Claim 38, wherein said glycosylated peptide comprises the sequence of SEQ ID NO. 8.

44. (New) The method of Claim 38, wherein said glycosylated peptide comprises the sequence of SEQ ID NO. 9.

45. (New) The method of Claim 38, further comprising identifying a subject in need of said complex.